

ABSTRACT OF THE DISCLOSURE

A clutch mechanism 20 is provided for a motor 10. The motor has a shaft 12, a worm 14 associated with the shaft, a gear 16 engaged by the worm, and a friction surface 27. The clutch mechanism 20 includes a pressure plate 22 mounted for movement with respect to the shaft toward and away from the friction surface 27. A spring 26 is constructed and arranged to bias the pressure plate towards the friction surface. A stop 30 is constructed and arranged to limit movement of the pressure plate in a direction away from the friction surface. Whereby, under a back drive condition of the motor when the motor is not energized and the gear is moved by an externally applied torque causing an axial force to be exerted on the worm inducing an axial and an angular movement to the shaft, the pressure plate is constructed and arranged to move towards and engage the friction surface thereby impeding rotation of the shaft.